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the model. The model is run with a 10-day forecast period, and the results are shown in Fig. 10.

Figure 10 shows that the model is able to capture the general trend of the observed data, but there are some differences between the model results and the observed data. For example, the model results show a slight increase in the number of cases in the early part of the outbreak, which is not reflected in the observed data. This may be due to the fact that the model is based on a simplified representation of the transmission dynamics, and it may not capture all the details of the outbreak.

Overall, the model results provide a useful overview of the transmission dynamics of the outbreak, and they can be used to inform public health interventions. For example, the model results suggest that the transmission of the virus is primarily driven by person-to-person contact, and this information can be used to develop targeted interventions to reduce the number of cases.

The model results also show that the transmission of the virus is highly dependent on the initial conditions of the outbreak. For example, the model results show that the number of cases increases rapidly if the initial number of infected individuals is high, and this information can be used to develop targeted interventions to reduce the initial number of infected individuals.

In conclusion, the model results provide a useful overview of the transmission dynamics of the outbreak, and they can be used to inform public health interventions. Further research is needed to improve the model and to develop more targeted interventions to reduce the number of cases.

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